

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A method for attaching at least one protein to a conductive support, comprising:

coupling an activated pyrrole monomer directly to a protein to be attached to said conductive support to obtain a first solution of a protein-pyrrole coupling compound,

mixing the first solution with a second solution of the pyrrole monomer not coupled to the protein to obtain an electropolymerization solution,

electropolymerizing the electropolymerization solution on at least one area of a conductive support, said electropolymerization being carried out with a charge of less than 50  $\mu\text{C}/\text{mm}^2$  for a synthesis time of less than 1000 ms.

Claim 2 (Previously Presented): The method according to Claim 1, wherein the at least one conductive area on which the electropolymerization is carried out is at least one block of a biosensor support.

Claim 3 (Currently Amended): The method according to Claim 1, wherein the coupling of the protein to be attached with activated pyrrole is carried out by activating the pyrrole followed by coupling the activated pyrrole to the protein to be attached.

Claim 4 (Previously Presented): The method according to Claim 3, wherein activating the pyrrole is carried out by means of N-hydroxysulphosuccinimide or of maleimide.